

**MICHIGAN DEPARTMENT OF CIVIL SERVICE
JOB SPECIFICATION**

TRANSPORTATION ENGINEER LICENSED

JOB DESCRIPTION

Employees in this job complete and oversee a variety of professional assignments requiring licensure in order to approve the design, materials, methods, equipment and quality of workmanship utilized in highway and other transportation related construction.

There is one classification in this job.

Position Code Title – Transportation Engineer Licensed-A

Transportation Engineer - Licensed 12

This is the advanced level. The employee may function as a lead worker or senior worker. At this level, employees are responsible for overseeing the work assignments of other professionals or have regular assignments, which have been recognized by Civil Service as having significantly greater complexity than those assigned at the experienced level.

JOB DUTIES

NOTE: The job duties listed are typical examples of the work performed by positions in this job classification. Not all duties assigned to every position are included, nor is it expected that all positions will be assigned every duty.

Performs the more complex transportation engineer work assignments requiring licensure.

Reviews, inspects and approves, as a final authority, materials and phases of completed work in connection with public and private utilities, structures, buildings, machinery, highways, bridges, equipment, processes, work, or projects.

Provides consultation to other licensed and non-licensed transportation engineers in order to maintain federal, state and local standards.

Participates in studies of highway or bridge construction, or related structures.

Maintains liaison with local units of government and the public on traffic problems in the district and traffic safety projects.

Analyzes and interprets laboratory and field data from investigations.

Maintains records and prepares reports and correspondence related to the work.

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May perform related essential functions appropriate to the class and other non-essential functions as required.

Additional Job Duties

Transportation Engineer Licensed 12 (Lead Worker)

Oversees the work of professional staff by making and reviewing work assignments, establishing priorities, coordinating activities, and resolving related work problems.

Transportation Engineer Licensed 12 (Senior Worker)

Performs on a regular basis professional transportation engineering assignments, which are recognized by Civil Service as more complex than those assigned at the experienced level.

JOB QUALIFICATIONS

Knowledge, Skills, and Abilities

Thorough knowledge of the principles and practices of transportation engineering.

Thorough knowledge of the scientific principles relative to transportation control.

Thorough knowledge of terminology and symbols used in engineering, drafting and design.

Thorough knowledge of the equipment, testing and investigative methods and laboratory procedures related to the field of transportation engineering.

Thorough knowledge of state, federal, and local laws related to the work.

Thorough knowledge of engineering office practices.

Ability to legally carry the embossed or printed seal of a Michigan licensed professional engineer.

Ability to instruct, direct and evaluate licensed and non-licensed engineers.

Ability to carry out technical transportation engineering studies and prepare technical reports and articles.

Additional Knowledge, Skills, and Abilities

Transportation Engineer Licensed 12 (Lead Worker)

Ability to organize and coordinate the work of others.

Ability to set priorities and assign work to other professionals.

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Working Conditions

Some jobs require an employee to work outdoors as well as in an office or a laboratory.

Physical Requirements

The job duties require an employee to traverse rough terrain.

Education

Possession of a bachelor's of science degree in civil engineering.

Experience

Three years of professional experience involved in the planning, research, design, construction or maintenance of highways and bridges, including one year of experience equivalent to a Transportation Engineer P11.

Special Requirements, Licenses, and Certifications

Possession of a registered professional engineer license as required by the State of Michigan.

NOTE: Equivalent combinations of education and experience that provide the required knowledge, skills, and abilities will be evaluated on an individual basis.

JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION

Job Code

TRANENLIC

Job Code Description

Transportation Engineer Licensed

Position Title

Transportation Engineer Licensed-A

Position Code

TRANENLA

Pay Schedule

H21-028